

CLAIMS

What is claimed is:

1. An air seal system for a loudspeaker, comprising:

5 a baffle board having a passage coupled to a gland so as to form a break in the gland; and

a cord gasket comprising a first end, a second end, and a segment positioned between the first end and the second end, where the segment is positioned in the gland of the baffle board and the first end and second end are positioned in the passage.

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2. The air seal system of claim 1, where the passage leads into a pocket having a depth and where at least one of the first end and the second end are positioned in the pocket.

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3. The air seal system of claim 2, where the pocket depth is greater than a depth of the gland.

4. The air seal system of claim 3, where the depth of the pocket is approximately 0.5 inch to 1.0 inch.

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5. The air seal system of claim 1, where the passage leads into a notch and where at least one of the first end and the second end are positioned in the notch.

6. The air seal system of claim 5, where the passage further leads into a pocket.

5 7. The air seal system of claim 6, where the second end of the cord gasket is positioned in the pocket.

8. The air seal system of claim 1, where the passage comprises a first wall having a first tab and a second wall comprising a second tab, where the first tab and
10 second tab face one another to define a gap.

9. The air seal system of claim 8, where a distance of the gap is less than a distance of a cross-sectional diameter of the cord gasket.

15 10. The air seal system of claim 8, where a surface of the first tab and a surface of the second tab each are chamfered to define a V-shaped groove.

11. The air seal system of claim 10, where the V-shaped groove defines an angle that ranges from approximately 25 degrees to 150 degrees.

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12. The air seal system of claim 8, where at least one of the first tab and the second tab is configured to flex when pressed from a first side and configured to remain rigid when pressed from a side generally opposite of the first side.

5 13. The air seal system of claim 1, where the first end and the second end are positioned in the passage to overlap one another and a depth of the passage is greater than a depth of the gland.

10 14. The air seal system of claim 1, where the first end is secured in a first notch and the second end is secured in a second notch at a location that is remote from the first end.

15 15. An air seal system for a loudspeaker having a housing and a baffle board, the air seal system comprising:
means for creating an airtight seal between the baffle board and the housing.

16. The air seal system of claim 15, wherein the creating means includes a passage in the baffle board coupled to a gland to form a break in the gland.

20 17. The air seal system of claim 16, wherein the creating means further includes a cord gasket having a first end and a second end positioned in the passage.

18. The air seal system of claim 15, wherein the creating means includes a pocket in the baffle board having a depth and where at least one of a first end and a second end of a cord gasket are positioned in the pocket.

5 19. The air seal system of claim 18, wherein the creating means further includes a passage in the baffle board coupled to a gland to form a break in the gland and where the pocket depth is greater than a depth of a gland.

20. The air seal system of claim 15, wherein the creating means includes at
10 least one notch in the baffle board and where at least one of a first end and a second end of a cord gasket are positioned in the at least one notch.

21. The air seal system of claim 15, wherein the creating means includes a
first wall in the baffle board having a first tab and a second wall in the baffle board
15 having a second tab and where the first tab and second tab face one another to define a gap.

22. The air seal system of claim 21, wherein a distance of the gap is less
than a distance of a cross-sectional diameter of a cord gasket located in the gap.

20 23. The air seal system of claim 15, wherein the baffle board includes a gland and the creating means includes overlapping ends of a cord gasket within a

passage in the baffle, where the depth of the passage is greater than a depth of the gland.

24. The air seal system of claim 15, where the creating means includes a
5 first notch in the baffle board positioned at a remote location from a second notch in
the baffle board and a cord gasket having a first end secured in the first notch and a
second end secured in the second notch.